

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) A method for forming objects comprising:

step 1: spreading a base material layer on a surface by a nozzle;

step 2: ~~initiating activating~~ a first physical or chemical change ~~on one or more first selected areas~~ of the base material layer by exposure to one of ultra violet beams or infra-red beams, the base material layer thereby becoming a gelled material;

step 3: ~~selectively activating~~ initiating a second physical or chemical change ~~different from the first~~ by application of a laser beam ~~of second~~ to selected areas of the gelled base material layer, the second physical or chemical change being a change to said gelled material at each ~~second~~ selected area ~~thereby becoming to become~~ hardened in nature;

step 4: repeating steps 1-3 a pre-determined number of times, each newly added base material layer being laminated on a preceding layer to form a ~~corresponding number~~ plurality of stacked ~~sectional~~ layers, said hardened selected areas of said plurality of stacked layers defining ~~of~~ a solid object; and ~~and~~ forming a connection between the layers;

step 5: removing the portions of base material layers remaining in gelled form after initiation of the second ~~time of~~ physical or chemical change ~~activation~~, ~~so as~~ to obtain a final prototype.

Claim 2 (Currently amended) The method as claimed in claim 1, wherein the base material layer in step 1 is rolled to define a flat surface by rollers.

Claim 3 (Currently amended) The method as claimed in claim 1, wherein the base material layer is spread by the nozzles and then rolled to be a flat surface by rollers.

Claims 4 - 5 (Cancelled).

Claim 6 (Currently amended) A method for forming objects comprising:

step 1: spreading a base material layer on a surface by a nozzle;

step 2: initiating ~~activating~~ a first physical or chemical change ~~on one or more first selected areas~~ of the base material layer by exposure to one of ultra violet beams or infra-red beams, the base material layer thereby becoming a gelled material;

step 3: ~~selectively activating~~ initiating a second physical or chemical change ~~different from the first~~ by adding ~~additional~~ a material composition to

~~second~~ selected areas of the gelled base material layer, the second physical or chemical change being a change to said gelled material at each ~~second~~ selected area ~~thereby becoming to become~~ hardened in nature;

step 4: repeating steps 1-3 a pre-determined number of times, each newly added base material layer being laminated on a preceding layer to form a ~~corresponding number~~ plurality of stacked ~~sectional~~ layers, said hardened selected areas of said plurality of stacked layers defining of a solid object; and ~~and~~ ~~forming a connection between the layers;~~

step 5: removing the portions of base material layer remaining in gelled form after initiation of the second physical or chemical change ~~activation~~, to obtain a final prototype.

Claim 7 (Currently amended) The method as claimed in claim 6, wherein the base material layer in step 1 is rolled to define a flat surface by rollers.

Claim 8 (Currently amended) The method as claimed in claim 6, wherein the base material layer is spread by the nozzles and then rolled to be a flat surface by rollers.

Claim 9 (Cancelled).